| Index | of Claims |  |
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|       |           |  |

| Application No.  | Applicant(s)  |
|------------------|---------------|
| 09/704,848       | OLSSON ET AL. |
| Examiner         | Art Unit      |
| Michael C. Wimer | 2828          |

| / | Rejected | ı | (Through numeral<br>Cancelled |
|---|----------|---|-------------------------------|
| = | Allowed  | ÷ | Restricted                    |

| N | Non-Elected  | Α | Appeal   |
|---|--------------|---|----------|
| _ | Interference | 0 | Objected |

| Cla                | aim             |          |                 |          | Di       | ate      |         |          |  | ]        | Cla      | aim      |                 |              |          | Date            | ,        |          |                    |              | Cla      | aim        |            |         | - 1          | Date           | •        |   |          | ٦        |
|--------------------|-----------------|----------|-----------------|----------|----------|----------|---------|----------|--|----------|----------|----------|-----------------|--------------|----------|-----------------|----------|----------|--------------------|--------------|----------|------------|------------|---------|--------------|----------------|----------|---|----------|----------|
|                    | <del></del>     | _        |                 |          |          |          |         |          |  | 1        |          | 166      |                 | T            |          |                 |          |          |                    |              |          |            |            | Т       |              |                |          | Ţ   |          | ٦        |
| Final              | Original        | 11/8/04  |                 |          |          |          | İ       |          |  |          | Final    | Original |                 |              |          |                 |          |          |                    |              | Final    | Original   |            |         |              |                |          | 1   | 1        |          |
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|                    |                 |          | $\sqcup$        |          | $\perp$  | _        |         | ↓_       | _  | ļ        |          |          | Ш               | $\perp$      | Ц        | Ц               | _        | ┸        | $oldsymbol{\perp}$ |              |          |            | $\perp$    | $\perp$ | <u> </u>     |                |          |   |          |          |
|                    | 1               | 1        | $\sqcup$        | 4        |          | _ _      | 1       | <u> </u> | <u> </u>   | <b>.</b> |          | 51       |                 | $\perp$      | ┷        | Ш               |          |          | ↓_                 |              |          | 101        |            | 4_      | ↓_           | _              | Ц        | $\perp$   | _        | _        |
|                    | 2               | 1        | $\sqcup$        | 4        | 4        | 4        |         | _        | _  |          |          | 52       | $\sqcup$        | $\downarrow$ |          | Ш               | _        | $\bot$   | $\bot$             |              |          | 102        |            |         | ļ.,          |                | $\Box$   | _   | 4        |          |
| <u> </u>           | 9               | ١.,      | $\vdash$        | -        | 4        | _        | 4       | _        | _  |          |          | 53       |                 | +            | _        | Ш               | _        | 4        | ↓                  |              |          | 103        |            |         | ┡            | _              | 4        | 4   | 4        | _        |
|                    | 4               | 1        | $\vdash$        | 4        | -        | _        | -       |          | -  | <b>.</b> |          | 54       | $\vdash$        | -            | -        | Н               | -        | +        | +                  |              |          | 104        | -          |         | <u> </u>     | Ш              |          |   |          | _        |
| $\vdash$           | 5               | 1        | $\vdash$        | +        | +        | +        | +-      | +        | <u> </u>   |          |          | 55       | $\vdash$        | 4            | _        |                 |          |          | -                  |              |          | 105        | $\perp$    | +       | <u> </u>     | Ш              |          | 4   |          | _        |
|                    | 6               | 1        | $\vdash$        | -        | +        | +        | +       | +        |  |          |          | 56       | $\vdash$        | +            | -        |                 | -        |          | 1                  |              |          | 106        | $\perp$    | -       | <u> </u>     | Н              | _        | -   | +        | _        |
|                    | 7               | \<br>√   | $\vdash$        | -        |          | +        | +       | +        | -  |          |          | 57       | $\vdash$        | +            | +        | $\vdash$        | -+       | -        | +                  |              |          | 107        | +          | +-      | <u> </u>     | Н              |          | -   | -        | 4        |
|                    | 8               | \<br>√   | H               | +        | +        |          | +-      | +-       | ┢  |          | <u> </u> | 58<br>59 | $\vdash$        | +            | +        | $\vdash$        |          |          | +-                 |              |          | 108        | +          | +       | ├            |                |          |   |          | 4        |
|                    | 9<br>10         | <b>∀</b> | H               | ┵        | +        | +        | +       | +        | ┼  | 1        |          | 60       | -               | +            |          | $\vdash$        | +        | -        |                    |              |          | 109<br>110 | +          | +       | -            | Н              | $\vdash$ | +   | +        | 4        |
| <del> </del>       | 11              | 7        | ┥               | -        | -        | +        | +-      | +        | ┢  | ł        |          |          |                 |              | -        | $\vdash\vdash$  | -+       | _}_      | +                  |              |          |            | $\dashv$   |         | ┢            | Н              | -        | +   |          | 4        |
|                    | 12              | 1        | ┼┼              | +        | +        | +        | ╁       | +        | +-   | 1        | $\vdash$ | 61<br>62 | $\vdash \vdash$ | +            | +        | $\vdash$        | +        | +        | +                  |              |          | 111<br>112 | -          |         | $\vdash$     | $\vdash\vdash$ | $\vdash$ | +   | +        | 4        |
| <del> </del>       | 13              | 7        | $\vdash$        | $\dashv$ | $\dashv$ | +        | +       | +        | +  | ł        | <u> </u> | 63       | $\vdash$        | +            | +        | $\vdash$        | +        | +        | +                  |              |          | 113        | $\dashv$   | +       | +-           | $\vdash$       | $\dashv$ | $\dashv$  | +        | $\dashv$ |
| <del> </del>       | 14              | Ť        |                 | +        | +        | +        | +       | +        | $\vdash$   | liiii    | -        | 64       | $\vdash$        | +            | +        | ┝╌┤             | -+       | +        | +                  |              |          | 114        | +          | +       | ┼            | $\vdash$       | $\dashv$ | +   | +        | $\dashv$ |
| $\vdash$           | 15              | 7        | $\vdash$        | +        | +        | +        | +-      | +-       | $\vdash$   | liii     |          | 65       | $\vdash \vdash$ | +            |          | $\vdash$        | $\dashv$ | $\dashv$ | +                  |              |          | 115        |            | -       | $\vdash$     | Н              | +        | +   | +        | $\dashv$ |
|                    | 16              | 7        | $\vdash$        | $\dashv$ | +        | +        | +       | +-       | H  | 1        |          | 66       | $\vdash$        | +            | $\dashv$ | $\vdash$        | +        | +        | +                  |              |          | 116        |            | +-      | $\vdash$     | $\vdash$       | $\dashv$ | $\dashv$  | +        | $\dashv$ |
|                    | 17              | i        | <del>   </del>  | +        | +        | +        | +       | +-       | <u> </u>   |          |          | 67       | $\vdash \vdash$ | +            | +        |                 | $\dashv$ | +        | +                  |              |          | 117        | $\dashv$   | +       | $\vdash$     | Н              | -        | +   | +        | $\dashv$ |
|                    | 18              | V        |                 | $\dashv$ | +        | +        | +       | +        | ┢  | liiii    |          | 68       | H               | $\dashv$     |          | Н               | +        | +        | +                  |              |          | 118        |            | +       | -            | Н              | $\dashv$ | $\dashv$  | +        | $\dashv$ |
|                    | 19              | Ì        |                 | +        | +        | +        | +-      | 1        | $\vdash$   |          |          | 69       | $\vdash$        | +            | +        | Н               | _        | +        | +                  |              |          | 119        | -          | +       | ╁╾           | Н              | -+       | +   | +        | ۲        |
|                    | 20              | 1        |                 | _        | _        | <u> </u> | +       | +        | T  | 1        |          | 70       | $\vdash$        | ╁            | ╅        | $\vdash$        | $\dashv$ | +        | +                  |              |          | 120        |            |         | $\vdash$     | Н              | -        | +   | +        | ┪        |
|                    | 21              | 1        | $\vdash$        | ┪        | _        |          | +       | 1        | $\vdash$   |          |          | 71       | $\vdash$        | $\top$       | +        | $\vdash$        | $\dashv$ | $\dashv$ | $\top$             |              |          | 121        | $\dashv$   | +       | +            | H              | $\dashv$ | $\dashv$  | +        | ┨        |
|                    | 22              | 1        |                 | 十        | $\top$   | +        | +       | _        | $\vdash$   |          |          | 72       | $\vdash$        | $\top$       | +-       | $\vdash$        | 十        | _        | +                  |              |          | 122        | -          | +       | $\vdash$     | -              | $\dashv$ | $\dashv$  |          | Ⅎ        |
|                    | 23              | <b>V</b> |                 | 十        | ┪        | _        | +-      | $\top$   | $\vdash$   |          |          | 73       | $\vdash$        | $\dashv$     | $\top$   | H               | _        | $\top$   | +                  |              |          | 123        | $\dashv$   | $\top$  | 1-           | Н              | $\dashv$ | $\dashv$  | -        | $\dashv$ |
|                    | 24              | 1        | 一               | 十        | +        | $\top$   | 1       | +-       | T  | 1        |          | 74       | $\dashv$        | $\dashv$     | _        | H               | $\dashv$ | $\top$   | +                  |              |          | 124        | $\dashv$   |         | 1            | Н              | -        | +   | +        | ┨        |
|                    | 25              | 1        |                 | -        | 1        | ┪        | $\top$  | $\top$   | T  |          |          | 75       | $\Box$          | 十            | 1        | H               | 十        | $\top$   | 1                  |              |          | 125        |            | $\top$  |              |                |          | 十   | $\dashv$ | ٦        |
|                    | 26              | 4        | 一十              | 7        | $\top$   |          | $\top$  |          |  |          |          | 76       |                 | $\top$       |          | П               | 十        | $\top$   | $\top$             |              |          | 126        |            | 1       | $\vdash$     | П              |          | 十   | $\top$   | ┨        |
|                    | 27 <sup>.</sup> | 1        | П               | 丁        |          | T        | 1       |          |  |          |          | 77       |                 | $\neg$       |          |                 | 十        | $\top$   |                    |              |          | 127        | $\neg$     | 1       | l            |                |          | 十   | $\top$   | ٦        |
|                    | 28              | 7        |                 |          |          |          |         |          | П  |          |          | 78       |                 | 7            |          | П               |          |          |                    |              |          | 128        |            | T       |              | П              |          | す   | $\neg$   | ٦        |
|                    | 29              | 4        |                 |          |          |          |         |          |  |          |          | 79       |                 |              |          |                 |          |          |                    |              |          | 129        |            |         |              | П              |          | 丁   | $\neg$   | ٦        |
|                    | 30              | <b>√</b> |                 |          |          |          |         |          |  |          |          | 80       |                 | $\perp$      |          |                 | $\Box$   |          |                    |              |          | 130        |            |         |              |                |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |          |
|                    | 31              | <b>√</b> | Ш               |          | ┙        |          | ┸       |          |  |          |          | 81       |                 |              |          |                 |          |          |                    |              |          | 131        |            |         |              |                |          |   | $\top$   |          |
|                    | 32              | 1        | Ш               | $\perp$  | $\perp$  | $\perp$  | $\perp$ |          | 乚  |          |          | 82       |                 | ┸            |          |                 |          |          |                    |              |          | 132        | $\perp$    |         |              |                |          |   |          |          |
|                    | 33              | 1        |                 | _        |          |          | $\perp$ |          |  |          |          | 83       |                 |              |          |                 |          |          |                    |              |          | 133        |            |         |              |                |          |   | $\perp$  |          |
|                    | 34              | 1        | Щ               | $\perp$  | $\perp$  | $\bot$   | $\perp$ | ļ·       | oxdot  |          |          | 84       |                 | $\perp$      |          | Ш               | $\bot$   | $\perp$  | $\Box$             |              |          | 134        |            |         |              |                | $\Box$   | $\perp$   | $\bot$   | _]       |
| $\sqcup$           | 35              |          | $\sqcup$        | $\perp$  | $\perp$  | $\bot$   | 4       | -        | <u> </u>   | liiii    |          | 85       | $\sqcup$        | 4            |          | Ш               | $\perp$  | _ _      | Ш                  |              |          | 135        |            |         | $\perp$      | Ш              |          | $\dashv$  | $\bot$   | ╝        |
| <u> </u>           | 36              |          |                 | $\perp$  | $\perp$  | +        | $\bot$  | 1        | <u> </u>   |          |          | 86       | $\sqcup$        | _            | 4        | $\sqcup$        | $\bot$   | - -      | 4                  |              |          | 136        | <b>_</b> L |         | $oxed{oxed}$ | Ш              | _        | 4   | $\bot$   | _        |
| igwdapprox igwedge | 37              | _        | $\vdash \vdash$ | _        | -        | $\bot$   | _       | ╁.       | <b>.</b>   |          |          | 87       | $\sqcup$        | $\perp$      | —        | $\sqcup$        | $\perp$  |          | 4-4                |              |          | 137        | _ _        | _       | L            | Ш              |          | 4   | $\bot$   | _        |
|                    | 38              |          |                 | _        | +        | - -      | +       | ╁        | <u> </u>   |          |          | 88       | $\vdash$        | $\perp$      | 4        | $\vdash$        | _        | +        | $\bot$             |              |          | 138        | _ _        | -       | <u> </u>     | Ш              | $\dashv$ | 4   | $\bot$   | 4        |
|                    | 39              |          | $\vdash \vdash$ | +        | $\dashv$ | +        | +-      | +        | ├  | ::::     |          | 89       | $\vdash$        | +            | +        | $\sqcup$        | 4        | +        | 4-4                |              |          | 139        | _ _        |         | $\vdash$     | Ш              | $\dashv$ | $\dashv$  | +        | 4        |
| $\vdash$           | 40              | H        | $\vdash$        | +        | +        | +        | +-      | +-       |  |          |          | 90       | $\dashv$        | +            | +        | $\sqcup$        | +        | +        | $\dashv$           |              |          | 140        | $\perp$    | _       | <u> </u>     | Ш              | $\dashv$ | 4   | +        | 4        |
| $\vdash \dashv$    | 41              | -        |                 | +        | +        | +        | +-      | +-       | ⊢  |          |          | 91       | -               | +            | +-       |                 | +        | +        | +                  |              | $\dashv$ | 141        |            | +-      | $\vdash$     | $\vdash$       | -        | +   | +        | 4        |
| $\vdash \dashv$    | 43              |          | $\vdash$        | +        | +        | +        | +       | +-       | ├  |          |          | 92<br>93 | $\dashv$        | +            | +        | $\vdash \vdash$ | +        | +        | ╁┤                 |              |          | 142        |            | +       | -            | $\vdash$       | -        | +   | +        | 4        |
| $\vdash$           | 44              |          | +               | +        | +        | +        | ┿       | +-       | $\vdash$   |          | $\vdash$ | 94       | $\dashv$        | +            |          |                 | +        | +        | +                  | <b></b>      |          | 143<br>144 | +          | +-      |              | Н              | $\dashv$ | +   | +        | 4        |
|                    | 45              |          | $\vdash \vdash$ | +        | +-       | +        | ╁       | +        | $\vdash$   |          |          | 95       | $\dashv$        | +            | +-       | $\vdash$        | +        | +        | +                  | <b></b> }    | _        | 145        | +          | +       | $\vdash$     | $\vdash$       | $\dashv$ | +   | +        | 4        |
| $\vdash$           | 46              |          | $\vdash$        | +        | +        | +        | +       | +        | $\vdash$   |          |          | 96       | $\dashv$        | +            | +-       | $\vdash$        | +        | +        | +                  | <b>     </b> | -        | 146        | +          | +-      | $\vdash$     | $\vdash$       | $\dashv$ | +   | +        | $\dashv$ |
| $\vdash$           | 47              |          | $\vdash$        | +        | +        | +        | +-      | +        | <del>                                     </del> |          |          | 97       | $\dashv$        | +            | +        | $\vdash$        | +        | +-       | +                  |              |          | 147        | +          | +       | $\vdash$     | H              | +        | +   | +        | $\dashv$ |
|                    | 48              | $\dashv$ | $\dashv$        | +        | +        | +        | +-      | +        | $\vdash$   |          |          | 98       | $\vdash$        | +            | +        | $\vdash$        | ╅        | +-       | +                  |              |          | 148        | $\dashv$   | +       | $\vdash$     | $\vdash$       | $\dashv$ | +   | +        | $\dashv$ |
| $\vdash$           | 49              |          | -               | +        | ┰        | +        | +       | $\vdash$ | $\vdash$   |          |          | 99       | $\vdash$        | +            | +        | H               | +        | +        | +                  |              |          | 149        |            | +       | $\vdash$     | $\vdash$       | $\dashv$ | +   | +        | ᅱ        |
|                    | 50              |          |                 | +        | +        | +        | 1       | T        | $\vdash$   |          |          | 100      | -               | $\top$       | +        | $\vdash$        | +        | +        | +                  |              |          | 150        | $\neg +$   | +-      | Н            | $\vdash$       | $\dashv$ | +   | +        | ┨        |
|                    |                 |          | <del></del>     | ┵        |          |          | ۰.      |          |  | : : : :  |          |          |                 | ᆣ            |          |                 |          |          |                    | [            |          |            |            |         |              |                |          |   | Щ,       |          |